

GenCore version 5.1.4\_p5\_4578  
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## OM nucleic - nucleic search, using sw model

Run on: March 15, 2003, 12:16:13 ; Search time 7.97642 Seconds  
(without alignments)  
9688.871 Million cell updates/sec

Title: US-08-978-217-6  
Perfect score: 252  
Sequence: 1 AATTGTCCTTGAGAGACT.....CCGACAGCTGTGCGCAGAGA 252

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_MA: \*  
1: /cgn2\_6/ptodata/1/ina/5A.COMB.seq: \*  
2: /cgn2\_6/ptodata/1/ina/5B.COMB.seq: \*  
3: /cgn2\_6/ptodata/1/ina/6A.COMB.seq: \*  
4: /cgn2\_6/ptodata/1/ina/6B.COMB.seq: \*  
5: /cgn2\_6/ptodata/1/ina/PCTUS.COMB.seq: \*  
6: /cgn2\_6/ptodata/1/ina/backfile1.seq: \*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	252	100.0	1920	1	US-08-746-789A-1
2	38.8	15.4	5173	1	US-08-242-677-1
3	35	13.9	1975	2	US-08-852-743-1
4	35	13.9	1975	2	US-09-185-370-1
5	35	13.9	2161	2	US-08-712-709-4
6	35	13.9	2161	3	US-09-111-444-4
7	35	13.9	2161	3	US-08-541-228-4
8	34	13.5	3141	2	US-08-956-242-1
9	34	13.5	3141	3	US-09-351-215-1
10	33	13.1	1304	4	US-09-594-669-9
11	33	13.1	1420	4	US-09-594-669-9
12	33	13.1	1317	4	US-09-160-036-2
13	32.8	13.0	1317	4	US-09-160-036-2
14	32.8	13.0	1392	4	US-09-160-036-11
15	32.6	12.9	501	4	US-09-404-879A-149
16	32.6	12.9	2172	4	US-09-594-669-13
17	32.6	12.9	2740	4	US-09-594-669-15
18	32.6	12.9	3777	3	US-09-121-321-15
19	32.6	12.9	3777	4	US-08-933-803A-15
20	32.4	12.9	2049	4	US-09-099-749-10
21	32.4	12.9	44377	2	US-08-804-227C-7
22	32.4	12.9	44377	2	US-08-804-198-1
23	32	12.7	2505	1	US-07-977-434-7
24	32	12.7	2505	1	US-08-458-819-7
25	32	12.7	2505	5	PCT-US91-07035-7
26	31.8	12.6	2589	4	US-08-482-728A-3
27	31.8	12.6	3431	4	US-09-632-098-1

C 28	31.8	12.6	3468	4	US-09-632-098-3	Sequence 3, Appli
C 29	31.6	12.5	1122	4	US-09-403-768-7	Sequence 7, Appli
C 30	31.6	12.5	1476	2	US-08-969-106-1	Sequence 1, Appli
C 31	31.4	12.5	80161	3	US-09-036-987A-1	Sequence 1, Appli
C 32	31.4	12.5	80161	4	US-09-370-700-1	Sequence 1, Appli
C 33	31.2	12.4	8354	2	US-08-910-856-3	Sequence 3, Appli
C 34	31.2	12.4	812	1	US-08-656-253-1	Sequence 1, Appli
C 35	31.2	12.4	2219	3	US-08-510-646B-17	Sequence 17, Appli
C 36	31.2	12.4	3187	2	US-08-910-856-9	Sequence 9, Appli
C 37	31.2	12.4	3187	2	US-08-910-856-10	Sequence 10, Appli
C 38	31	12.3	712	2	US-08-747-536-3	Sequence 3, Appli
C 39	31	12.3	722	2	US-08-747-536-7	Sequence 7, Appli
C 40	31	12.3	3117	2	US-08-747-536-1	Sequence 1, Appli
C 41	31	12.3	8460	1	US-08-469-005A-9	Sequence 9, Appli
C 42	30.8	12.2	828	4	US-09-171-209-1	Sequence 1, Appli
C 43	30.8	12.2	2301	1	US-08-614-801A-5	Sequence 5, Appli
C 44	30.8	12.2	36519	3	US-08-923-137-2	Sequence 2, Appli
C 45	30.4	12.1	843	3	US-08-513-974B-375	Sequence 375, App

## ALIGNMENTS

RESULT 1  
US-08-746-789A-1  
Sequence 1, Application US/08746789A  
Patent No. 5789200  
GENERAL INFORMATION:  
APPLICANT: Ismail Kola, Martin J. Tyms, Christine Debuick  
TITLE OF INVENTION: A No. 5789200el Human ETS Family Member, ELF3  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SmithKline Beecham Corporation  
STREET: 709 Swedeland Road, P.O. Box 1539  
CITY: King of Prussia  
STATE: PA  
COUNTRY: USA  
ZIP: 19406-0939  
COMPUTER READABLE FORM:  
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE  
COMPUTER: IBM 486  
OPERATING SYSTEM: WINDOWS FOR WORKGROUPS  
SOFTWARE: MICROSOFT WORD  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/746,789A  
FILING DATE: No. 5789200el December 15, 1996  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: William T. Han  
REGISTRATION NUMBER: 34,344  
REFERENCE/DOCKET NUMBER: ATG 50024  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 610 270 5219  
TELEFAX: 610 270 4026  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1920  
TYPE: Nucleic Acid  
STRANDEDNESS: Single  
TOPOLOGY: Linear  
ANTI-SENSE: No  
US-08-746-789A-1

Query Match 100.0%; Score 252; DB 1; Length 1920;  
Best Local Similarity 100.0%; Pred. No. 3.3e-59;  
Matches 252; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AATTGTCCTTGAGAGACTGCTGCTTTGGGCTCTGGGAGCAACTCATTGATGCC 60  
DB 424 AATTGTCCTTGAGAGACTGCTGCTTTGGGCTCTGGGAGCAACTCATTGATGCC 483

QY 61 CAGCTGCGAGACTCACTTCCAGCTCTTCTGATGAGCTGATTCATTGAGCTGCTG 120  
DB 484 CAGCTGCGAGACTCACTTCCAGCTCTTCTGATGAGCTGATTCATTGAGCTGCTG 543  
QY 121 GAGAAAGATGCGATGGCTCTTCCAGAGAGCCCTTAGACCCAGGCGCTTTGACCAAGGCGAGC 180  
DB 544 GAGAAAGATGCGATGGCTCTTCCAGAGAGCCCTTAGACCCAGGCGCTTTGACCAAGGCGAGC 603  
QY 181 CCCTTTGGCCAGAGCTGCTGGAGCGAGGCTGACGACCAAGCCAGCCCTTACCAAGGCGAGC 240  
DB 604 CCCTTTGGCCAGAGCTGCTGGAGCGAGGCTGACGACCAAGCCAGCCCTTACCAAGGCGAGC 663  
QY 241 TGTGGCGCAGCA 252  
DB 664 TGTGGCGCAGCA 675

RESULT 2  
US-08-242-677-1/c

; Sequence 1, Application US/08242677  
; Patent No. 5677143  
; GENERAL INFORMATION:  
; APPLICANT: Gaynor, Richard B  
; APPLICANT: Wu, Foon W.  
; TITLE OF INVENTION: Cellular Nucleic Acid Binding Protein  
; TITLE OF INVENTION: and Uses Thereof in regulating Gene Expression and in the  
; TITLE OF INVENTION: Treatment of AIDS  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Arnold, White & Durkee  
; STREET: P. O. Box 4433  
; CITY: Houston  
; STATE: TX  
; COUNTRY: USA  
; ZIP: 77210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/242,677  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mayfield, Denise L.  
; REGISTRATION NUMBER: 33,732  
; REFERENCE/DOCKET NUMBER: UTSD:401  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 713-787-1400  
; TELEFAX: 713-789-2679  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5173 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 1..4863  
; US-08-242-677-1

Query Match 15.4%; Score 38.8; DB 1; Length 5173;  
Best Local Similarity 50.5%; Pred. No. 0.12;  
Matches 94; Conservative 0; Mismatches 92; Indels 0; Gaps 0;

QY 48 CCAATCCCATGCGACCTGCGAGACTCACTTCCAGCTCTTCTGATGAGCTGATTCATTGAGCTGCTG 107  
DB 193 CCACTTCGCGCGCGCTCTCGGAGAGCGCGCTGCGCCCGCTGCGCGCGCTCTCTCGT 134  
QY 108 CATTGAGCTCTGAGAGAGATGCGATGCGCTTCCAGAGAGCCCTTAGACCCAGGCGCTTT 167

DB 133 CCTCAGCGCGCTGCGAGAGAGCCAGCGTCTCCACGCGCTCCCGAGTGCCTTCCCTT 74  
QY 168 TGACAGGCGAGCCCTTTGCCCCAGAGCTGCTGAGACGAGCTCAGAGCCAGCCCTTA 227  
DB 73 GGCACAGCCGCCCAAGACGAGGCGCGGGGCTCCGGCTCTGCGAGAGCGCTTCCGGA 14  
QY 228 CCACCC 233  
DB 13 GCACCC 8

## RESULT 3

US-08-852-743-1  
; Sequence 1, Application US/08852743  
; Patent No. 5830699  
; GENERAL INFORMATION:  
; APPLICANT: Force, Thomas  
; APPLICANT: Kyriakis, John M.  
; APPLICANT: Bombo, Celia M.  
; APPLICANT: Bonventure, Joseph  
; TITLE OF INVENTION: SOK-1 AND METHODS OF USE  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson, P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows95  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/852,743  
; FILING DATE: 7-MAY-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/016,774  
; FILING DATE: 7-MAY-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Frazer, Janis K.  
; REGISTRATION NUMBER: 34,819  
; REFERENCE/DOCKET NUMBER: 00786/327001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617/542-5070  
; TELEFAX: 617/542-8906  
; TELEX: 200154  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1975 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; FEATURE:  
; NAME/KEY: Coding Sequence  
; LOCATION: 127...1404  
; US-08-852-743-1

Query Match 13.9%; Score 35; DB 2; Length 1975;  
Best Local Similarity 48.3%; Pred. No. 0.97;  
Matches 98; Conservative 0; Mismatches 105; Indels 0; Gaps 0;

QY 46 GACCAATTCATGCCAGCTGCGAGACTCACTTCCAGCTCTTCTGATGAGCTGATTCATTGAGCTGCTG 105  
DB 175 GAGAGCTTTCACCAAGTGCACCGCATTTGCGAAGGCTGCTTTGGGAGGTCTTACAG 234  
QY 106 ATCATTTAGCTCTGAGAGAGATGCGATGCGCTTCCAGAGAGCCCTTAGACCCAGGCGCC 165  
DB 235 GGCATCGATTAACCAACAAGAGAGGTGTGCGCATCAAGATCATGAGACTGAGAGAGGCC 294

Qy	Db	Qy	Db
166	295	226	355
TTTATCCAGGGCAGGCCCCCTTTTCCAGGAGCTGCTGGACGACGGTTCAGCAAGCCAGGCC	GAGATGATGATCGAGGACATCCAGAGGAGATCACTGTCTCTATCATGTGCGACAGGCC	TATCCATCCCGGCGAGCTGTGGCC	TATCATCCCGCTACTTTGGCT
222	355	248	377

#### RESULT 4

```

1 Sequence 1, Application US/09185370
2 Patent No. 6093560
3
4 GENERAL INFORMATION:
5
6 APPLICANT: Force, Thomas
7 APPLICANT: Kyriakis, John M.
8 APPLICANT: Pombo, Celia M.
9 APPLICANT: Bonventre, Joseph
10 TITLE OF INVENTION: SOK-1 AND METHODS OF USE
11 NUMBER OF SEQUENCES: 10
12 CORRESPONDENCE ADDRESS:
13 ADDRESS: Fish & Richardson, P.C.
14 STREET: 225 Franklin Street
15 CITY: Boston
16 STATE: MA
17
18 COUNTRY: US
19 ZIP: 02110-2804
20
21 COMPUTER READABLE FORM:
22
23 MEDIUM TYPE: Diskette
24
25 COMPUTER: IBM Compatible
26 OPERATING SYSTEM: Windows95
27 SOFTWARE: FastSeq for Windows Version 2.0
28
29 CURRENT APPLICATION DATA:
30 APPLICATION NUMBER: US/09/185,370
31
32 FILING DATE:
33
34 CLASSIFICATION:
35
36 PRIOR APPLICATION DATA:
37 APPLICATION NUMBER: 08/852,743
38
39 FILING DATE:
40
41 ATTORNEY/AGENT INFORMATION:
42
43 NAME: Fraeier, Janis K.
44 REGISTRATION NUMBER: 34,819
45 REFERENCE/DOCKET NUMBER: 00786/327001
46
47 TELECOMMUNICATION INFORMATION:
48
49 TELEPHONE: 617/542-5070
50
51 TELEFAX: 617/542-8906
52
53 TELEX: 200154
54
55 INFORMATION FOR SEQ ID NO: 1:
56
57 SEQUENCE CHARACTERISTICS:
58
59 LENGTH: 1975 base pairs
60 TYPE: nucleic acid
61 STRANDNESS: single
62 TOPOLOGY: linear
63
64 MOLECULE TYPE: cDNA
65
66 FEATURE:
67
68 NAME/KEY: Coding Sequence
69 LOCATION: 127...1404
70
71 US-09-185-370-1

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Query Match	13.9%	Score 35;	DB 3;	Length 1975;
Best Local Similarity	48.3%	Pred. No. 0.97;		
Matches 98;	Conservative	0;	Mismatches 105;	Indels 0;
			Gaps	0;

Qy	Db	Qy	Db	Qy	Db
46	175	106	235	166	225
GACCAATCCATGCGCCACACTGGAGACCTCACTTCCTGATGAGTACCTGATGG	GAGAGGCTCTTACCAAGCTGCAGCCGATTGGCAAGGCTGTTGGGAGGTTTACAG	ATCATTTAGGCTGTGGAGAAAGATGGCAATGGCTTTCCAGAGAGCCCTTAGACCCAGGCCC	GGCATTCGATTACACACAAAGGAGGTGTGGCATCAAGATCATGACCTGAGAGAGGCC	TTTGACACAGGGCAGCCCTTTGGCCCGAGAGCTGTGTGACGACGGGTCAAGACAGCCAGCCCC	

D<sub>b</sub> 295 GAGATGAGATCGAGACATCCAGCAGAGATCACTGTCTCACTCAGTCAGTGGCAGACCCCC 355  
Q<sub>y</sub> 226 TACCACCCCGGCAGCTGTGGCGC 248  
D<sub>b</sub> 355 TACATCACCCGCTACTTTGGCTC 377

RESULT 5

```

US-06-712-709-4
Sequence 4, Application US/08712709
Patent No. 5863780
GENERAL INFORMATION:
APPLICANT: Au-Young, Janice
APPLICANT: Guegler, Karl J
APPLICANT: Hawkins, Phillip R.
TITLE OF INVENTION: NOVEL HUMAN PROTEIN P
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESS: Incyte Pharmaceuticals, Inc
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: U.S.
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08-712,709
FILING DATE: Filed Herewith
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0118 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 2161 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
IMMEDIATE SOURCE:
LIBRARY:
CLONE: Consensus
US-08-712-709-4

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Query Match	13.9%	Score 35;	DB 2;	Length 2161;
Best Local Similarity	48.3%	Pred. NO. 0.99;		
Matches 98; Conservative	0;	Mismatches 105;	Indels 0;	Gaps 0;

Oy	46	GACAACTTCATGCCAGCTGCCAGACCTCACTTCAGACTTTGTGATGAGCTCAGTTGG	109
Db	286	GAGGAGCTTTCCACCAAGCTGCAGCCGATTTGGCAAGGAGCTGTTGGGAGGCTTACAG	345
Oy	106	ATCATTTGAGCTGCTGAGAAAGATGGCATGGCTTTCAGAGAGGAGCTTAGACCCAGAGCCC	165
Db	346	GGCATTCGATTACACACAAAGAGAGTGTGGCCATCAAGATCATGCAGCTGGAGAGAGCC	405
Oy	166	TTTGAACGAGGAGAGCCCTTTTGCCCAAGAGCTGCTGAACGAGGTCAAGACGAGCCC	225
Db	406	GAGGATGAGATCGAGGACATCCAGACAGAGATCATCTGCTCACTCAGTGCAGACAGCCC	465
Oy	226	TACCACCCCGGCAGCTGTGGGC	248
Db	466	TACATCACCCGCTACTTTGGCTC	488

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RESULT 6
US-09-111-444-4
; Sequence 4, Application US/09111444
; Patent No. 6045792
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Guegler, Karl J.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/111,444
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/712,709
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0118 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2161 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; LIBRARY:
; CLONE: Consensus
; US-09-111-444-4

Query Match      13.9%; Score 35; DB 3; Length 2161;
Best Local Similarity 48.3%; Pred. No. 0.99;
Matches 98; Conservative 0; Mismatches 105; Indels 0; Gaps 0;

QY 46 GACCACTTCATGCCAGCTGGAGACCTTCAGCTCTTCGATGAGCTCACTTGG 105
DB 286 GAGGAGCTCTTCCACCAAGCTCGACCCGATTGGCAAGGCTCTTTGGGAGGTCTAACAAG 345
QY 106 ATCATTTAGACTGCTGGAGAGATGAGTGCCTTCCAGAGAGCCCTTAGACCCAGGGCCC 165
DB 346 GGCATCGATTAACCAACAAGAAGAGGTGTGGCCATCAAGATCATCACTGTGAGAGAGGCC 405
QY 166 TTGACCAAGGAGAGCCCTTTGGCCAGAGAGCTGCTGAGAGAGCGTACGACCAAGCCAGCCCC 225
DB 406 GAGGATGAGATGAGAGACATCCAGAGAGATCACTGCTCCTCAGTCAGTGCAGACAGCCCC 465
QY 226 TACCAACCCCGCAGCTGTGGCCC 248
DB 466 TACATCACCCGCTACTTGTGGCTC 488

RESULT 7
US-09-541-228-4
; Sequence 4, Application US/09541228
; Patent No. 6232077
; GENERAL INFORMATION:
```

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; APPLICANT: Au-Young, Janice
; APPLICANT: Guegler, Karl J.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/541,228
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/712,709
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0118 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2161 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; LIBRARY:
; CLONE: Consensus
; US-09-541-228-4

Query Match      13.9%; Score 35; DB 4; Length 2161;
Best Local Similarity 48.3%; Pred. No. 0.99;
Matches 98; Conservative 0; Mismatches 105; Indels 0; Gaps 0;

QY 46 GACCACTTCATGCCAGCTGGAGACCTTCAGCTCTTCGATGAGCTCACTTGG 105
DB 286 GAGGAGCTCTTCCACCAAGCTCGACCCGATTGGCAAGGCTCTTTGGGAGGTCTAACAAG 345
QY 106 ATCATTTAGACTGCTGGAGAGATGAGTGCCTTCCAGAGAGCCCTTAGACCCAGGGCCC 165
DB 346 GGCATCGATTAACCAACAAGAAGAGGTGTGGCCATCAAGATCATCACTGTGAGAGAGGCC 405
QY 166 TTGACCAAGGAGAGCCCTTTGGCCAGAGAGCTGCTGAGAGAGCGTACGACCAAGCCAGCCCC 225
DB 406 GAGGATGAGATGAGAGACATCCAGAGAGATCACTGCTCCTCAGTCAGTGCAGACAGCCCC 465
QY 226 TACCAACCCCGCAGCTGTGGCCC 248
DB 466 TACATCACCCGCTACTTGTGGCTC 488

RESULT 8
US-08-956-242-1
; Sequence 1, Application US/08956242C
; Patent No. 5986081
; GENERAL INFORMATION:
; APPLICANT: Ganetzky, Barry S.
; APPLICANT: Titus, Steven A.
; TITLE OF INVENTION: Polynucleotides Encoding Herg-3
; FILE REFERENCE: 960296.94550
; CURRENT APPLICATION NUMBER: US/08/956,242C
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;; CURRENT FILING DATE: 1997-10-22  
;; NUMBER OF SEQ ID NOS: 13  
;; SOFTWARE: Patentl Ver. 2.0  
;; SEQ ID NO 1  
;; LENGTH: 3141  
;; TYPE: DNA  
;; ORGANISM: Homo sapien  
;; FEATURE:  
;; NAME/KEY: CDS  
;; LOCATION: (248)..(2128)  
;; FEATURE:  
;; NAME/KEY: unsure  
;; LOCATION: (1)  
;; OTHER INFORMATION: Unidentified at time of filing  
;; FEATURE:  
;; NAME/KEY: unsure  
;; LOCATION: (3)  
;; OTHER INFORMATION: Unidentified at time of filing  
;; FEATURE:  
;; NAME/KEY: unsure  
;; LOCATION: (12)  
;; OTHER INFORMATION: Unidentified at time of filing  
;; FEATURE:  
;; NAME/KEY: unsure  
;; LOCATION: (1568)..(1872)  
;; OTHER INFORMATION: Unidentified at time of filing  
;; FEATURE:  
;; NAME/KEY: unsure  
;; LOCATION: (3126)  
;; OTHER INFORMATION: Unidentified at time of filing  
;; FEATURE:  
;; NAME/KEY: unsure  
;; LOCATION: (3134)  
;; OTHER INFORMATION: Unidentified at time of filing  
US-08-956-242-1

Query Match 13.5%; Score 34; DB 2; Length 3141;  
Best Local Similarity 57.5%; Pred. No. 2;  
Matches 61; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

Qy 21 GCGCTGCTTTGGGCTCTGGGGAGCACTCCATGCCAGCTGCAGACTTCTC 80  
Db 2223 GCGCTGAGGCTGGGCTCCAGCTAGAGCAGCTCCAGGCCAGATGAACAGGCTGGAGTC 2282  
Qy 81 CAGCTCTTGATGAGCTCAGTTGATGATGAGCTGCTGGAGAAG 126  
Db 2283 CCGGCTGTCTCAGACTCAGCCGCGATCTTGGAGCTCTCCAGAAG 2328

RESULT 9  
US-09-351-215-1  
; Sequence 1, Application US/09351215  
; Patent No. 6087488  
; GENERAL INFORMATION:  
; APPLICANT: Ganetzky, Barry S.  
; TITLE OF INVENTION: Polynucleotides Encoding Herg-3  
; FILE REFERENCE: 960296.94550  
; CURRENT APPLICATION NUMBER: US/09/351,215  
; CURRENT FILING DATE: 1999-07-12  
; EARLIER APPLICATION NUMBER: 08/956,242  
; EARLIER FILING DATE: 1997-10-22  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: Patentl Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 3141  
; TYPE: DNA  
; ORGANISM: Homo sapien  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (248)..(2128)  
; FEATURE:  
; NAME/KEY: unsure

;; LOCATION: (1)  
;; OTHER INFORMATION: Unidentified at time of filing  
;; FEATURE:  
;; NAME/KEY: unsure  
;; LOCATION: (3)  
;; OTHER INFORMATION: Unidentified at time of filing  
;; FEATURE:  
;; NAME/KEY: unsure  
;; LOCATION: (12)  
;; OTHER INFORMATION: Unidentified at time of filing  
;; FEATURE:  
;; NAME/KEY: unsure  
;; LOCATION: (1568)..(1872)  
;; OTHER INFORMATION: Unidentified at time of filing  
;; FEATURE:  
;; NAME/KEY: unsure  
;; LOCATION: (3126)  
;; OTHER INFORMATION: Unidentified at time of filing  
;; FEATURE:  
;; NAME/KEY: unsure  
;; LOCATION: (3134)  
;; OTHER INFORMATION: Unidentified at time of filing  
US-09-351-215-1

Query Match 13.5%; Score 34; DB 3; Length 3141;  
Best Local Similarity 57.5%; Pred. No. 2;  
Matches 61; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

Qy 21 GCGCTGCTTTGGGCTCTGGGGAGCACTCCATGCCAGCTGCAGACTTCTC 80  
Db 2223 GCGCTGAGGCTGGGCTCCAGCTAGAGCAGCTCCAGGCCAGATGAACAGGCTGGAGTC 2282  
Qy 81 CAGCTCTTGATGAGCTCAGTTGATGATGAGCTGCTGGAGAAG 126  
Db 2283 CCGGCTGTCTCAGACTCAGCCGCGATCTTGGAGCTCTCCAGAAG 2328

RESULT 10  
US-09-594-669-11  
; Sequence 11, Application US/09594669  
; Patent No. 6331424  
; GENERAL INFORMATION:  
; APPLICANT: Beraud, Christophe  
; APPLICANT: Sakowicz, Roman  
; TITLE OF INVENTION: No. 6331424e1 motor proteins and methods for  
; FILE REFERENCE: 1042  
; CURRENT APPLICATION NUMBER: US/09/594,669  
; CURRENT FILING DATE: 2000-06-15  
; PRIOR APPLICATION NUMBER: US 09/295,612  
; PRIOR FILING DATE: 1999-04-20  
; PRIOR APPLICATION NUMBER: US 09/314,464  
; PRIOR FILING DATE: 1999-05-18  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 11  
; LENGTH: 1217  
; TYPE: DNA  
; ORGANISM: Human  
US-09-594-669-11

Query Match 13.1%; Score 33; DB 4; Length 1217;  
Best Local Similarity 57.1%; Pred. No. 3;  
Matches 60; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

Qy 62 AGCTGAGAGCTCAGCTCTCTGATGAGCTCAGTTGATGATGAGCTGCTCG 121  
Db 1111 AACTGTCTTCCAGATGTCCAGCTTTAAAGAGCCATGACTCAATCAGGAGCTGGAGG 1170  
Qy 122 AGAGGATGAGTGGCTTCCAGAGAGGCCCTAGACCCAGAGGCCCT 166  
Db 1171 AGAAGCTATGAGAGAGCTCAAGAGATCATACAGCAAGACCAT 1215

RESULT 11  
US-09-594-669-9  
; Sequence 9, Application US/09594669  
; Patent No. 6331424  
; GENERAL INFORMATION:  
; APPLICANT: Beraud, Christophe  
; APPLICANT: Sakowicz, Roman  
; TITLE OF INVENTION: No. 6331424e1 motor proteins and methods for  
; TITLE OF INVENTION: their use  
; FILE REFERENCE: 1042  
; CURRENT APPLICATION NUMBER: US/09/594,669  
; CURRENT FILING DATE: 2000-06-15  
; PRIOR APPLICATION NUMBER: US 09/295,612  
; PRIOR FILING DATE: 1999-04-20  
; PRIOR APPLICATION NUMBER: US 09/314,464  
; PRIOR FILING DATE: 1999-05-18  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: FASTSEQ for Windows Version 4.0  
; SEQ ID NO 9  
; LENGTH: 1304  
; TYPE: DNA  
; ORGANISM: Human  
US-09-594-669-9

Query Match 13.1%; Score 33; DB 4; Length 1304;  
Best Local Similarity 57.1%; Pred. No. 3;  
Matches 60; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 62 AGCTGGAGACCTCACTTCCAGCTCTTCTGATGAGCTGATGAGCTGCTGG 121  
DB 1198 AACTGCTTCCAGATGATCAGCTTTAAGCAAGCCATGATCAGAGGAGCTGGAGG 1257  
QY 122 AGAAGATGCGATGCGCTTCCAGAGAGCCCTAGACCAGGCGCCT 166  
DB 1258 AGAAGCTATGGAAGAGCTCAAGAGATCATATACGAGAGGACCAT 1302

RESULT 12  
US-09-594-669-7  
; Sequence 7, Application US/09594669  
; Patent No. 6331424  
; GENERAL INFORMATION:  
; APPLICANT: Beraud, Christophe  
; APPLICANT: Sakowicz, Roman  
; TITLE OF INVENTION: No. 6331424e1 motor proteins and methods for  
; TITLE OF INVENTION: their use  
; FILE REFERENCE: 1042  
; CURRENT APPLICATION NUMBER: US/09/594,669  
; CURRENT FILING DATE: 2000-06-15  
; PRIOR APPLICATION NUMBER: US 09/295,612  
; PRIOR FILING DATE: 1999-04-20  
; PRIOR APPLICATION NUMBER: US 09/314,464  
; PRIOR FILING DATE: 1999-05-18  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: FASTSEQ for Windows Version 4.0  
; SEQ ID NO 7  
; LENGTH: 1420  
; TYPE: DNA  
; ORGANISM: Human  
US-09-594-669-7

Query Match 13.1%; Score 33; DB 4; Length 1420;  
Best Local Similarity 57.1%; Pred. No. 3.1;  
Matches 60; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 62 AGCTGGAGACCTCACTTCCAGCTCTTCTGATGAGCTGATGAGCTGCTGG 121  
DB 1314 AACTGCTTCCAGATGATCAGCTTTAAGCAAGCCATGATCAGAGGAGCTGGAGG 1373  
QY 122 AGAAGATGCGATGCGCTTCCAGAGAGCCCTTAGACCAGGCGCCT 166  
DB 1374 AGAAGCTATGGAAGAGCTCAAGAGATCATATACGAGAGGACCAT 1418

RESULT 13  
US-09-160-036-2/c  
; Sequence 2, Application US/09160036B  
; Patent No. 6428999  
; GENERAL INFORMATION:  
; APPLICANT: Ito, Makoto  
; APPLICANT: Kurita, Toyohisa  
; APPLICANT: Kato, Katsuhiko  
; APPLICANT: Seuyoshi, No. 6428999iyuki  
; APPLICANT: Mitsuake, Susumu  
; APPLICANT: Fujita, Masanori  
; APPLICANT: Okino, No. 6428999omu  
; APPLICANT: Izu, Hiroyuki  
; APPLICANT: Kato, Ikunoshin  
; TITLE OF INVENTION: SPHINGOLIPID CERAMIDE N-DEACYLASE, METHODS FOR  
; TITLE OF INVENTION: PRODUCING SPHINGOLIPIDS AND SPHINGOLIPID DERIVATIVES,  
; TITLE OF INVENTION: AND SPHINGOLIPID CERAMIDE N-DEACYLASE GENE  
; FILE REFERENCE: Q51835  
; CURRENT APPLICATION NUMBER: US/09/160,036B  
; CURRENT FILING DATE: 1998-09-25  
; EARLIER APPLICATION NUMBER: 08/881,486  
; EARLIER FILING DATE: 1997-06-24  
; EARLIER APPLICATION NUMBER: PCT/JP97/02483  
; EARLIER FILING DATE: 1997-07-17  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 1317  
; TYPE: DNA  
; ORGANISM: Unknown  
; FEATURE:  
; OTHER INFORMATION: Description of Unknown Organism: portion of gene  
; OTHER INFORMATION: sequence which encodes a polypeptide having SCdaae  
; OTHER INFORMATION: activity  
US-09-160-036-2

Query Match 13.0%; Score 32.8; DB 4; Length 1317;  
Best Local Similarity 54.0%; Pred. No. 3.4;  
Matches 67; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

QY 112 GAGTGTGGAGAGATGATGATGCGCTTCCAGAGAGCCCTTAGACCGGCGCTTTGAC 171  
DB 693 GAGTGTGGAGAGATGATGATGCGCTTCCAGAGAGCCCTTAGACCGGCGCGCATGACGC 634  
QY 172 CAGGCGAGCGCCCTTTGCCAGAGAGCTGCGAGCGGTCAGCAAGCCAGCCCTTACCAC 231  
DB 633 GGTGAAGATGATGATGCGGCGGCGCTTCCAGAGGTTGCTTCCAGCGGAGGAGCATGCGCG 574  
QY 232 CCGG 235  
DB 573 ACGG 570

RESULT 14  
US-09-160-036-11/c  
; Sequence 11, Application US/09160036B  
; Patent No. 6428999  
; GENERAL INFORMATION:  
; APPLICANT: Ito, Makoto  
; APPLICANT: Kurita, Toyohisa  
; APPLICANT: Kato, Katsuhiko  
; APPLICANT: Seuyoshi, No. 6428999iyuki  
; APPLICANT: Mitsuake, Susumu  
; APPLICANT: Fujita, Masanori  
; APPLICANT: Okino, No. 6428999omu  
; APPLICANT: Izu, Hiroyuki  
; APPLICANT: Kato, Ikunoshin  
; TITLE OF INVENTION: SPHINGOLIPID CERAMIDE N-DEACYLASE, METHODS FOR  
; TITLE OF INVENTION: PRODUCING SPHINGOLIPIDS AND SPHINGOLIPID DERIVATIVES,  
; TITLE OF INVENTION: AND SPHINGOLIPID CERAMIDE N-DEACYLASE GENE  
; FILE REFERENCE: Q51835

; CURRENT APPLICATION NUMBER: US/09/160,036B  
; CURRENT FILING DATE: 1998-09-25  
; EARLIER APPLICATION NUMBER: 08/881,486  
; EARLIER FILING DATE: 1997-06-24  
; EARLIER APPLICATION NUMBER: PCT/JP97/02483  
; EARLIER FILING DATE: 1997-07-17  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: Patent Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 1392  
; TYPE: DNA  
; ORGANISM: Unknown  
; FEATURE:  
; OTHER INFORMATION: Description of Unknown Organism: ORF of SCDase  
US-09-160-036-11

Query Match 13.0%; Score 32.8; DB 4; Length 1392;  
Best Local Similarity 54.0%; Pred. No. 3.5;  
Matches 67; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

QY 112 GAGCTGCTGAGAGATGAGTGGCTTCCAGAGGCCCTAGACCCAGGCCCTTTGAC 171  
Db 768 GAGTCTCTGGAGAGCAGCCAGTGTATGATCAGGCTGCCCGCAGCCGACCTGCAGCC 709  
QY 172 CAGGGCAGCCCTTTGCTCCAGAGCTGCTGAGCAGCGTCAAGCCAGCCCTTACCAC 231  
Db 708 GGTGGAAGCATCTGGCCGGGCGCTCCAGGTGTGCTTCAAGCCAGCCGACCTGCCCCG 649  
QY 232 CCGC 235  
Db 648 ACCG 645

RESULT 15  
US-09-404-879A-149/C  
; Sequence 149, Application US/09404879A  
; Patent No. 6468546  
; GENERAL INFORMATION:  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: King, Gordon E.  
; APPLICANT: Algate, Paul A.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER  
; FILE REFERENCE: 210121.462C2  
; CURRENT APPLICATION NUMBER: US/09/404,879A  
; CURRENT FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 393  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 149  
; LENGTH: 501  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-09-404-879A-149

Query Match 12.9%; Score 32.6; DB 4; Length 501;  
Best Local Similarity 57.3%; Pred. No. 3.1;  
Matches 59; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

QY 62 AGTCGAGACCTCACTTCCAGCTCTTCTGATGAGCTCAGTTGATCATTTAGCTGCTGG 121  
Db 322 AACTGTCTTCCAGATGCTCCAGCTTTTAAGAGCCATGATCAGTCAAGGAGCTGAGG 263  
QY 122 AGAAGATGAGTGGCTTCCAGAGGCCCTAGACCCAGGCC 164  
Db 262 AGAAGGCTATGAAAGCTCAAGGAGATCATACAGCAAGACC 220

Search completed: March 15, 2003, 15:12:59  
Job time : 16.9764 secs

